

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



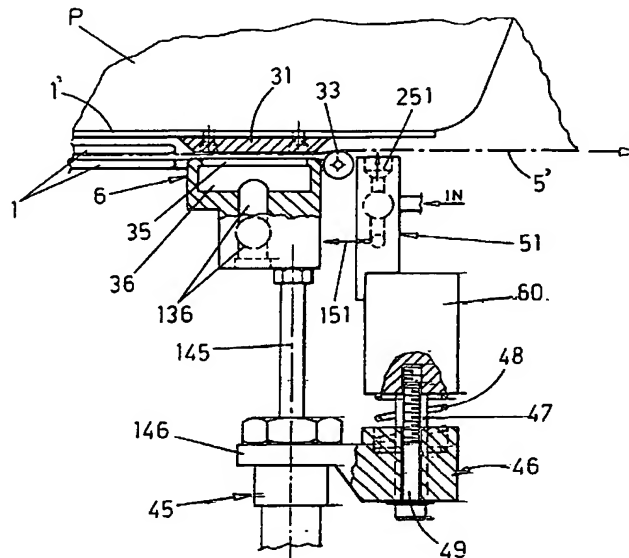
(43) International Publication Date
29 January 2004 (29.01.2004)

PCT

(10) International Publication Number
WO 2004/009450 A1

- (51) International Patent Classification⁷: **B65B 51/20**, 51/26, B29C 65/10
- (21) International Application Number: PCT/EP2003/007120
- (22) International Filing Date: 3 July 2003 (03.07.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
BO2002A000463 18 July 2002 (18.07.2002) IT
- (71) Applicant (for all designated States except US): **A.W.A.X. PROGETTAZIONE E RICERCA S.R.L.** [IT/IT]; Via Per Sassuolo, 1863, I-41058 Vignola (IT).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): **RIMONDI, Renato** [IT/IT]; Via De Gasperi, 1, I-40053 Bazzano (IT).
- (74) Agents: **PORSIA, Attilio et al.**; Succ. Ing. Fischetti & Weber, Via Caffaro, 3/2, I-16124 Genova (IT).
- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
— with international search report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: APPARATUS FOR SEALING THE OVERLAPPING EDGES OF A TUBULAR FILM



(57) Abstract: The apparatus comprises means (31, 33) for guiding and for holding the longitudinal edges of the film to be sealed so that they overlap with an intimate and distributed contact and comprises in an opposing position, a short distance from these guide means, a sealing head (6) made in good thermal insulator and with a low coefficient of friction in relation to the film, which directs onto the said film jets of hot air at an appropriate temperature and an appropriate pressure, through longitudinal slits of appropriate dimensions (35). The sealing head is connected to supply and control means (39-44) that keep it fully operational or have it promptly fully operational, the head being mounted on means (45) for moving it rapidly towards or away from the film to be sealed.



WO 2004/009450 A1